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FULL ESTIMATED COST	0.21	0.21

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CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s Swager, Timothy M./in

L1 10 SWAGER, TIMOTHY M./IN

=> s l1 and iptycene

L2 4 L1 AND IPTYCENE

=> d 12 1-4

L2 ANSWER 1 OF 4 PCTFULL COPYRIGHT 2003 Univentio

Full  
Text

AN 2002016463 PCTFULL ED 20020711 EW 200209  
TIEN POLYMERS WITH HIGH INTERNAL FREE VOLUME  
TIFR POLYMERES A VOLUME INTERIEUR LIBRE IMPORTANT  
IN SWAGER, Timothy, M.; LONG, Timothy, M.; ZHU, Zhengguo  
PA MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
AG OYER, Timothy, J.  
LAF English  
LA English  
DT Patent  
PI WO 2002016463 A2 20020228  
DS AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG  
ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE TR BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
AI WO 2001-US26293 A 20010821  
PRAI US 2000-60/226,506 20000821  
ICM C08G061-00

L2 ANSWER 2 OF 4 PCTFULL COPYRIGHT 2003 Univentio

Full  
Text

AN 2001057140 PCTFULL ED 20020827  
TIEN INSULATED NANOSCOPIC PATHWAYS, COMPOSITIONS AND DEVICES OF THE SAME  
TIFR TRAJETS NANOSCOPIQUES ISOLES, COMPOSITIONS ET DISPOSITIFS COMPRENANT  
LESDITS TRAJETS  
IN SWAGER, Timothy, M.

PA MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
 DT Patent  
 PI WO 2001057140 A1 20010809  
 DS CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
 AI WO 2001-US3784 A 20010205  
 PRAI US 2000-60/180,357 20000204  
 ICM C08L101-12  
 ICS H01B001-12

L2 ANSWER 3 OF 4 USPATFULL

Full Text	Citing References
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AN 2002:272580 USPATFULL  
 TI Polymers with high internal free volume  
 IN Swager, Timothy M., Newton, MA, UNITED STATES  
 Long, Timothy M., Cambridge, MA, UNITED STATES  
 Zhu, Zhengguo, Cambridge, MA, UNITED STATES  
 PI US 2002150697 A1 20021017  
 AI US 2001-935060 A1 20010821 (9)  
 PRAI US 2000-226506P 20000821 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1943  
 INCL INCLM: 428/001.100  
 INCLS: 252/299.010; 252/299.620; 252/299.100; 430/020.000  
 NCL NCLM: 428/001.100  
 NCLS: 252/299.010; 252/299.620; 252/299.100; 430/020.000  
 IC [7]  
 ICM: C09K019-38  
 ICS: C09K019-32; G02F001-03; C09K019-52  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 4 OF 4 USPATFULL

Full Text	Citing References
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AN 2002:77157 USPATFULL  
 TI Insulated nanoscopic pathways, compositions and devices of the same  
 IN Swager, Timothy M., Newton, MA, UNITED STATES  
 PI US 2002040805 A1 20020411  
 AI US 2001-777725 A1 20010205 (9)  
 PRAI US 2000-180357P 20000204 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1765  
 INCL INCLM: 174/110.000A  
 INCLS: 174/110.000SR  
 NCL NCLM: 174/110.000A  
 NCLS: 174/110.000SR  
 IC [7]  
 ICM: H01B007-00

=> s iptycene#

L3 13 IPTYCENE#

=> s 13 and ladder polymer#

L4 6 L3 AND LADDER POLYMER#

=> s 14 and graft?

L5 3 L4 AND GRAFT?

=> d 15 1-3

L5 ANSWER 1 OF 3 PCTFULL COPYRIGHT 2003 Univentio

Full  
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AN 2002016463 PCTFULL ED 20020711 EW 200209  
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 AG OYER, Timothy, J.  
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 ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
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 AI WO 2001-US26293 A 20010821  
 PRAI US 2000-60/226,506 20000821  
 ICM C08G061-00

L5 ANSWER 2 OF 3 PCTFULL COPYRIGHT 2003 Univentio

Full  
Text

AN 1999057222 PCTFULL ED 20020515  
 TIEN EMISSIVE POLYMERS AND DEVICES INCORPORATING THESE POLYMERS  
 TIFR POLYMERES EMISSIFS ET DISPOSITIFS RENFERMANT CES POLYMERES  
 IN SWAGER, Timothy; YANG, Jye-Shane; WILLIAMS, Vance; MIAO, Yi-Jun;  
 LUGMAIR, Claus, G.; LEVITSKY, Igor, A.; KIM, Jinsang; DEANS, Robert  
 PA MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
 LA English  
 DT Patent  
 PI WO 9957222 A1 19991111  
 DS CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
 AI WO 1999-US9852 A 19990505  
 PRAI US 1998-60/084,247 19980505  
 ICM C09K011-06  
 ICS H01L051-20; G01N021-64; H01B001-12

L5 ANSWER 3 OF 3 USPATFULL

Full  
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 IN Swager, Timothy M., Newton, MA, UNITED STATES  
 Long, Timothy M., Cambridge, MA, UNITED STATES  
 Zhu, Zhengguo, Cambridge, MA, UNITED STATES  
 PI US 2002150697 A1 20021017  
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 LN.CNT 1943  
 INCL INCLM: 428/001.100  
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 ICS: C09K019-32; G02F001-03; C09K019-52  
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=> d 14 1-6

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 AG OYER, Timothy, J.  
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 PRAI US 2000-60/180,357 20000204  
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 ICS H01B001-12

L4 ANSWER 3 OF 6 PCTFULL COPYRIGHT 2003 Univentio

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 LUGMAIR, Claus, G.; LEVITSKY, Igor, A.; KIM, Jinsang; DEANS, Robert  
 PA MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
 LA English  
 DT Patent  
 PI WO 9957222 A1 19991111  
 DS CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
 AI WO 1999-US9852 A 19990505  
 PRAI US 1998-60/084,247 19980505  
 ICM C09K011-06  
 ICS H01L051-20; G01N021-64; H01B001-12

L4 ANSWER 4 OF 6 USPATFULL

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 IN Swager, Timothy M., Newton, MA, UNITED STATES  
 Long, Timothy M., Cambridge, MA, UNITED STATES  
 Zhu, Zhengguo, Cambridge, MA, UNITED STATES  
 PI US 2002150697 A1 20021017  
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 PRAI US 2000-226506P 20000821 (60)  
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 NCL NCLM: 428/001.100  
 NCLS: 252/299.010; 252/299.620; 252/299.100; 430/020.000  
 IC [7]  
 ICM: C09K019-38  
 ICS: C09K019-32; G02F001-03; C09K019-52  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 6 USPATFULL

Full Text	Citing References
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AN 2002:77157 USPATFULL  
 TI Insulated nanoscopic pathways, compositions and devices of the same  
 IN Swager, Timothy M., Newton, MA, UNITED STATES  
 PI US 2002040805 A1 20020411  
 AI US 2001-777725 A1 20010205 (9)  
 PRAI US 2000-180357P 20000204 (60)  
 DT Utility  
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 INCL INCLM: 174/110.000A  
 INCLS: 174/110.000SR  
 NCL NCLM: 174/110.000A  
 NCLS: 174/110.000SR  
 IC [7]  
 ICM: H01B007-00

L4 ANSWER 6 OF 6 USPATFULL

Full Text	Citing References
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AN 90:61449 USPATFULL  
 TI Novel **ladder polymers** for use as high temperature stable resins or coatings  
 IN Meador, Mary Ann, Strongsville, OH, United States  
 PA The United States of America as represented by the Administrator, National Aeronautics and Space Administration, Washington, DC, United States (U.S. government)  
 PI US 4946890 19900807  
 AI US 1988-231026 19880811 (7)  
 DT Utility  
 FS Granted  
 LN.CNT 189  
 INCL INCLM: 524/600.000  
 INCLS: 525/436.000; 528/353.000  
 NCL NCLM: 524/600.000  
 NCLS: 525/436.000; 528/353.000  
 IC [5]  
 ICM: C08G073-10  
 EXF 525/436; 528/353; 524/600  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.